

Title (en)

EVAPORATIVE COOLING PACK WITH SAME DIRECTION FLUTES DESIGNED TO PREVENT NESTING

Title (de)

VERDUNSTUNGSKÜHLPAKET MIT NUTEN IN DERSELBEN RICHTUNG ZUR VERHINDERUNG DES INEINANDERLEGENS

Title (fr)

BLOC DE REFRROIDISSEMENT PAR ÉVAPORATION DOTÉ DE CANNELURES À DIRECTION IDENTIQUE CONÇUES POUR EMPÊCHER L'EMBOÎTEMENT

Publication

EP 4139565 A4 20240501 (EN)

Application

EP 21796094 A 20210423

Priority

- US 202063014233 P 20200423
- US 2021028855 W 20210423

Abstract (en)

[origin: WO2021222021A2] An evaporative cooling pack formed from first and second corrugated media sheets is provided. The evaporative cooling pack cools a flow of air using a cooling fluid. The first and second corrugated media sheets have flutes that extend at different angles relative to a reference line and at such relative angles and have flute pitches that inhibit nesting of the adjacent sheets.

IPC 8 full level

F02C 7/14 (2006.01); **F02C 7/04** (2006.01)

CPC (source: EP US)

F02C 7/04 (2013.01 - EP); **F02C 7/141** (2013.01 - US); **F02C 7/143** (2013.01 - EP); **F05D 2200/13** (2013.01 - US); **F05D 2200/14** (2013.01 - US); **F05D 2200/15** (2013.01 - US); **F05D 2200/262** (2013.01 - US); **F05D 2200/263** (2013.01 - US); **F05D 2250/38** (2013.01 - EP US); **F05D 2250/61** (2013.01 - EP US); **F05D 2260/207** (2013.01 - EP); **F05D 2260/2214** (2013.01 - EP US)

Citation (search report)

- [I] US 2017276386 A1 20170928 - PONYAVIN VALERY IVANOVICH [US], et al
- [I] US 2019120509 A1 20190425 - SEELEY FREDERIC FRANK [AU], et al
- [I] JP 2009180433 A 20090813 - UNIV TOHOKU, et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2021222021 A2 20211104; **WO 2021222021 A3 20220203**; CN 115885097 A 20230331; EP 4139565 A2 20230301; EP 4139565 A4 20240501; JP 2023523161 A 20230602; US 12025056 B2 20240702; US 2023040732 A1 20230209

DOCDB simple family (application)

US 2021028855 W 20210423; CN 202180030006 A 20210423; EP 21796094 A 20210423; JP 2022561096 A 20210423; US 202217959391 A 20221004